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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration  
Submitted  
with Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number	137264
First Named Inventor	Cedric Carlton Lowe et al.
<b>COMPLETE IF KNOWN</b>	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TURBINE SHROUD ASYMMETRICAL COOLING ELEMENTS

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY)  as United States Application Number or PCT InternationalApplication Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 3]

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:  Customer Number  
or Bar Code Label  OR  Correspondence address below

Name **Steven J. Rosen, Patent Attorney**

Address **4729 Cornell Rd.**

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Country	US	Telephone	513-489-5383		Fax	513-489-5466
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :  A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Cedric Carlton		Family Name or Surname	Lowe	
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Inventor's Signature	<i>Cedric Carlton Lowe</i>			Date	11/24/03
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Residence: City	Cincinnati	State	OH	Country	US	Citizenship	US
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Mailing Address **156 Fleming Rd.**

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NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Andrew Charles		Family Name or Surname	Powis	
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Inventor's Signature	<i>Andrew Charles Powis</i>			Date	11/24/03
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Residence: City	Madeira	State	OH	Country	US	Citizenship	US
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Mailing Address **5605 Mapleridge Dr.**

City	Madeira	State	OH	ZIP	45227	Country	US
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Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box →

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Jonathan Philip		Clarke					
Inventor's Signature	Jonathan Philip Clarke		Date 11/24/03				
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<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature			Date				
Residence: City	State	Country	Citizenship				
Mailing Address							
Mailing Address							
City	State	ZIP	Country				
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature			Date				
Residence: City	State	Country	Citizenship				
Mailing Address							
Mailing Address							
City	State	ZIP	Country				

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Cedric Carlton Lowe et al.

Attorney Docket No.: 137264

Serial No.: : : Art Unit:  
Filed: : : Examiner:

For: TURBINE SHROUD ASYMMETRICAL COOLING ELEMENTS

POWER OF ATTORNEY

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

I hereby appoint:

Steven J. Rosen, Registration No. 29,972,  
David L. Narciso, Registration No. 35,624,  
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Jay L. Chaskin, Registration No. 24,030,  
James W. Mitchell, Registration No. 25,602,  
VG Ramaswamy, Registration No. 45,957

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please address all future correspondence to:

Mr. Steven J. Rosen  
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Cincinnati, OH 45241

Respectfully submitted,

By: Cedric Carlton Lowe  
Cedric Carlton Lowe, Applicant

Date: 11/24/03

By: Andrew Charles Powis  
Andrew Charles Powis, Applicant

Date: 11/24/03

By: Jonathan Philip Clarke  
Jonathan Philip Clarke, Applicant

Date: 11/24/03